



Atty. Dkt. No. 063391-0302

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Matthew Parricelli
Title: PROTEIN PROFILING PLATFORM
Appl. No.: 10/087,602
Filing Date: 03/01/2002
Examiner: Unassigned
Art Unit: 1645

CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below. DIANE GARCIA (Printed Name) <i>Diane Garcia</i> (Signature) 9-10-02 (Date of Deposit)

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date September 10, 2002

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PATENT AND TRADEMARK OFFICE

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SERIAL NO.

10/087,602

APPLICANT

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GROUP ART UNIT

1645

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	4,415,655	11-15-1983	de Castro et al.	435	17	
	A2	4,433,051	02-21-1984	Gilad et al.	435	7	
	A3	4,481,094	11-06-1984	de Castro et al.	204	1800	
	A4	4,865,707	09-12-1989	Karger et al.	204	182.8	
	A5	4,946,794	08-07-1990	Berube	436	86	
	A6	5,041,538	08-20-1991	Ling et al.	530	395	
	A7	5,290,920	03-01-1994	Sindrey et al.	530	412	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
A15	WO 91/15228	10-17-1991	PCT				
A16	WO 00/11208	03-02-2000	PCT				
A17	WO 01/77668 A2	10-18-2001	PCT				
A18	WO 01/77684 A2	10-18-2001	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A19	Adam et al., "Profiling the specific reactivity of the proteome with non-directed activity-based probes," Chemistry & Biology 2000, 57:1-16, January 2000.
A20	Bergseid et al., "Small molecule-based chemical affinity system for the purification of proteins," BioTechniques, 29:1126-1133, November 2000.
A21	Bogyo et al., "Selective targeting of lysosomal cysteine proteases with radiolabeled electrophilic substrate analogs," Chemistry & Biology 2000, 7:27-38, December 15, 1999.
A22	Clauser et al., "Rapid mass spectrometric peptide sequencing and mass matching for characterization of human melanoma proteins isolated by two-dimensional PAGE," Proc.Natl.Acad.Sci.USA, 92:5072-5076, May 1995.
A23	Cravatt and Sorensen, "Chemical strategies for the global analysis of protein function," Current Opinion in Chemical Biology, 4: 663-668, 2000.
A24	Cull and McHenry, "Preparation of extracts from prokaryotes," Methods in Enzymology, Vol. 182, 147-238, 1990 edition.
A25	Daniel et al., "FastTag™ nucleic acid labeling system...", BioTechniques, 24: 484-489, March 1998.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

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Greenbaum et al., "Epoxide electrophiles as activity-dependent profiling and discovery tools," Chemistry & Biology 2000, 7:569-581, August 1, 2000.

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Gygl et al., "Protein analysis by mass spectrometry and sequence database searching: tools for cancer research in the post-genomic era," Electrophoresis, 20: 310-319, 1999.

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Kidd et al., "Profiling serine hydrolase activities in complex proteomes," Biochemistry, 40:4005-4015, 2001.

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Laemmli, "Cleavage of structural proteins during the assembly of the head of bacteriophage T4," Nature, 227: 680-685, 1970.

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Link et al., "Identifying the major proteome components of haemophilus influenzae type-strain NCTC 8143," Electrophoresis, 18: 1314-1334, 1997.

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Liu et al., "Activity-based protein profiling: The Serine hydrolases," Proc. Nat. Acad. Sci 1999, 96: 14694-14699, December 21, 1999.

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Mann and Wilm, "Error-tolerant identification of peptides in sequence databases by peptide sequence tags," Anal. Chem., 66: 4390-4399, 1994.

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Merchant and Weinberger, "Recent advancements in surface-enhanced laser desorption/ionization-time of flight-mass spectrometry," Electrophoresis, 21: 1164-1167, 2000.

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Opitck et al., "Comprehensive two-dimensional high-performance liquid chromatography for the isolation of Overexpressed proteins and proteome mapping," Analytical Biochemistry, 258: 349-361, 1998.

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Porco, "Organic synthesis using chemical tags: The "third leg" of parallel synthesis," Combinatorial Chemistry & High Throughput Screening, 3: 93-102, 2000.

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Sanchez and Smith, "Capillary electrophoresis," Methods in Enzymology, 289:469-478, 1997.

A42

Wright et al., "Proteinchip® surface enhanced laser desorption/ionization (SELDI) mass spectrometry: a novel Protein biochip technology for detection of prostate cancer biomarkers in complex protein mixtures," Prostate Cancer and Prostatic Diseases, 2: 264-276, 1999.

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